

Work Order ID 145291

145291

Thursday, May 05, 2016 1:23:44 PM

Page 1

Item ID: D044-662-041

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: R44 Bearpaw Wearplates

Start Date: 5/12/2016 Start Qty: 2.00 *2*

Cust Item ID:

Required Date: 5/26/2016 Req'd Qty: 2.00 *2*

Customer:

Reference:

Approvals: Process Plan: MCS Date: MAY 06 2016 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____
Run Start *NR1*
Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D044-662	E								
100	Document Control	0.00							
100	DOCUMENT CONTROL								
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPPD044-662-041								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

MCS 16-05-12
2X DAS 27 9-89
MAY 31 2016
2X DAS 27 9-89
MAY 12 2016
2X DAS 27 9-89
MAY 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval	

Root Cause				FAULT CATEGORY																																																											
Environment ☐	Design ☐	Doc/Data ☐	Equip/Tooling ☐	Handling/Pre ☐	Material ☐	Internal Transport ☐	Tribal Knowledge ☐	LOA ☐	Substation ☐	Past Expiry Date ☐	Misidentified ☐	No Re-verification ☐	Operator ☐	Offset/Setup ☐	Supplier ☐	Training ☐	Use for Testing ☐	Poor Information ☐	Rushing ☐	Product Improvement ☐	Process Improvement ☐	Manufacturing Process ☐	Past Due ☐	Pressure/Forced ☐	Bending ☐	Centre Not Concentric ☐	Cracks ☐	Crimp/Kink/Ripple/Wave ☐	Cuffs ☐	Crushing ☐	Heat Treat ☐	Wave/Twist in Tube ☐	Marks/Chatter ☐	Temperature/Cure ☐	Set-up ☐	BOM/Route ☐	Broken/Damage/Defect ☐	Inspection Incomplete/Unqualified ☐	Contamination ☐	Countersink ☐	Cut Too Short ☐	Instructions Incomplete/Unclear ☐	Drill Holes ☐	Power Loss/Surge ☐	Folio/Program ☐	Grain ☐	Weld ☐	Wrong Stock Pulled ☐	Out of Sequence ☐	Off-set ☐	Mislabeled ☐	Fit/Function ☐	Misaligned/off center ☐	Positioned Wrong ☐	Outside Dimensions ☐	Over/Under tolerance ☐	Part Incorrect ☐	Part Lost/Missing ☐	Part Moved ☐	Drawing ☐	Finish ☐	Misread ☐	Turning Sequence ☐
OTHER : ☐																																																															

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Accept

N900040100

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Revision ID:

Item Name: R44 Bearpaw Wearplates

Stop *NS2*

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2

Cust Item ID:

Required Date: 5/26/2016 Req'd Qty: 2.00

2

Customer:

Reference:

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QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D044-662-041								
	Location: _____								
	PPP Rev: _____								
	fg 128								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.00							
Quality Control									

2X
SAS
27
9-89
MAY 31 2016

MAY 31 2016

MAY 31 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

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Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>						Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐	
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Picklist Print

Thursday, May 05, 2016 1:23:49 PM

Page 1

Work Order ID: 145291

145291

Parent Item: D044-662-041

D044-662-041

Parent Item Name: R44 Bearpaw Wearplates

Start Date: 5/12/2016

Required Date: 5/26/2016

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A New Issue 07-01-30 JLM
IPP Rev:B As per Ecn 932 & 862 07-03-28 JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2274 *D2274* Radius Block		Manufactured	No			110	Each	434.0000	4	8		DAS 8 9-89	DAS 28 9-89

Location	Loc Qty	Loc Code
FG	12	
86855	12	
ST006	422	
144391	422	

D2529

D2529

Washer

Manufactured No

110 Each 321.0000 4 8

Location	Loc Qty	Loc Code
ST008	321	
141458	20	
143819	301	

DAS
8
9-89

DAS
28
9-89

D3565-1

D3565-1

Wearplate

Manufactured No

110 Each 15.0000 4 8

Location	Loc Qty	Loc Code
ST185	15	
141808	15	

DAS
8
9-89

DAS
28
9-89

MAY 14 2016

DQA: _____ Date: _____



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Thursday, May 05, 2016 1:23:49 PM

Page 2

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D044-662-041

Parent Item Name: R44 Bearpaw Wearplates

Start Date: 5/12/2016

Required Date: 5/26/2016

Start Qty: 2.00

Required Qty: 2.00

AN4-12A.

Purchased

No

110

Each

191.0000

4

8

AN4-12A

Bolt

**

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

10

120423

10

over003

125

m134606

125

ST344

56

m134180

56

AN4-16A

Purchased

No

110

Each

252.0000

4

8

AN4-16A

Bolt

**

DAS
28
9-89

DAS
27
9-89

Location

Loc Qty

Loc Code

FG

5

121541

5

over003

100

M134702

100

ST343

147

M134509

32

M134606

115

DAS
28
9-89
MAY 14 2016

Thursday, May 05, 2016 1:23:50 PM

Shop Packet Print

Page 2

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Environment ☐		No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐		
Design ☐		Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐		
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Page 3

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D044-662-041

Parent Item Name: R44 Bearpaw Wearplates

Start Date: 5/12/2016

Required Date: 5/26/2016

Start Qty: 2.00

Required Qty: 2.00

MS21042L4

Purchased

No

110

Each

1,670.000

4

8

MS21042L4

Locknut

DAS

28

9-89

DAS

27

9-89

Location

Loc Qty

Loc Code

GA

279

m133769

279

OVER007

500

m134676

500

ST303

794

m134606

794

ST305

97

m130922

97

DAS

8

9-89

MAY 14 2016

Thursday, May 05, 2016 1:23:50 PM

Shop Packet Print

Page 3

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Past Expiry Date ☐	Manufacturing Process ☐																																																																								
Misidentified ☐	Past Due ☐																																																																								
Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐																																																																						
Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐																																																																						
Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐																																																																						
Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐																																																																						
Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐																																																																						
Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐																																																																						
Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐																																																																						
Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐																																																																						
Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐																																																																						
Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐																																																																						
OTHER :																																																																									

4.0 WEIGHT AND BALANCE

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D044-662-011 Bearpaw Installation	4.6 lb 2.10 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	128.1 in 3.25 m	589 in-lb 6.8 m-kg
D044-662-013 Bearpaw Installation	6.2 lb 2.81 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	129.1 in 3.28 m	800 in-lb 9.2 m-kg
D044-662-041 Wearplate Kit (installed on D044-662-011/-013 Bearpaw Kit)*	1.6 lb 0.73 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	128.3 in 3.26 m	205 in-lb 2.4 m-kg

*D044-662-041 weight and balance should be added to D044-662-011/-013 kits

5.0 PARTS LIST

Qty -011	Qty -013	Qty -041	Part Number	Description
X			D044-662-011	BEARPAW INSTALLATION
	X		D044-662-013	BEARPAW INSTALLATION
		X	D044-662-041	WEARPLATE KIT
		4	D2274	Radius Block
8	8	4	D2529	Washer
2			D3075-1	Bearpaw
	2		D3529-1	Bearpaw
4	4		D3556-1	Clamp
		4	D3565-1	Wearplate
8	8		D3601-1	Radius Block
4	4		D4953-1	Cushion (Replaces D2182B045 Cushion)
		4	AN4-12A	Bolt
4	4		AN4-14A	Bolt
4	4		AN4-15A	Bolt
		4	AN4-16A	Bolt
8	8		NAS1149D0463J	Washer (Replaces AN960JD416 Washer)
8	8	4	MS21042L4	Nut (or MS21042-4)